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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/083,200	02/26/2002	Daniel G. Nocera	020022 5682		
26285	7590 12/02/2003		EXAMINER		
KIRKPATRICK & LOCKHART LLP			WONG, EDNA		
	FIELD STREET 6H, PA 15222		ART UNIT	PAPER NUMBER	
	•	•	1753		

DATE MAILED: 12/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		ation No.	Applicant(s)				
		,200	NOCERA ET AL.				
		ner	Art Unit				
		Vong	1753				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMML - Extensions of time may be available under the provisi after SIX (6) MONTHS from the mailing date of this co - If the period for reply specified above is less than thirt - If NO period for reply is specified above, the maximum - Failure to reply within the set or extended period for re - Any reply received by the Office later than three montle earned patent term adjustment. See 37 CFR 1.704(b) Status	INICATION. ons of 37 CFR 1.136(a). In no ommunication. y (30) days, a reply within the s n statutory period will apply and pply will, by statute, cause the a s after the mailing date of this	event, however, may a reply be tin tatutory minimum of thirty (30) day I will expire SIX (6) MONTHS from application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133),				
1) Responsive to communication(s)	filed on						
2a) This action is FINAL.	2b)⊠ This action is	non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-65 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
-	7) Claim(s) is/are objected to.						
8)⊠ Claim(s) <u>1-65</u> are subject to restri	ction and/or election r	equirement.					
Application Papers							
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. §§ 119 and 120							
12) Acknowledgment is made of a cla a) All b) Some col None of 1. Certified copies of the priori 2. Certified copies of the priori 3. Copies of the certified copie application from the Interna * See the attached detailed Office ac 13) Acknowledgment is made of a claim since a specific reference was include 37 CFR 1.78. a) The translation of the foreign of the fore	f: ty documents have be ty documents have be es of the priority docur tional Bureau (PCT R tion for a list of the ce in for domestic priority ded in the first sentence anguage provisional a for domestic priority	een received. een received in Applicationents have been received ule 17.2(a)). rtified copies not receive under 35 U.S.C. § 119(copies of the specification of application has been recunder 35 U.S.C. §§ 120	on No ed in this National Stage ed. e) (to a provisional application) in an Application Data Sheet. eived. and/or 121 since a specific				
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)							
2) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review 3) Information Disclosure Statement(s) (PTO-1449)		— ·	(PTO-413) Paper No(s) atent Application (PTO-152)				

Application/Control Number: 10/083,200

Art Unit: 1753

III.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-20, 28-30 and 45-65, drawn to a process, classified in class 204, subclass 157.15+.
- II. Claims 21-27, drawn to a process, classified in class 204, subclass 157.48.
- Claims 31-44, drawn to a compound, classified in class 987, subclass 1+. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require

Inventions III and I, II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different

the particular photocatalyst in the subcombination, i.e., multinuclear transition metal

core and ligands. The subcombination has separate utility in other combinations.

Application/Control Number: 10/083,200

Art Unit: 1753

process of using that product (MPEP § 806.05(h)). In the instant case the process for using the product as claimed can be practiced with another materially different product such as a TiO₂ photocatalyst.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Groups I-III is not required for each other, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Application/Control Number: 10/083,200

Art Unit: 1753

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edna Wong whose telephone number is (703) 308-3818. The examiner can normally be reached on Mon-Fri 7:30 am to 5:00 pm, alt. Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (703) 308-3322. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1495.

Edna Wong

Primary Examiner

Art Unit 1753

EW November 25, 2003